

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 16516.107

First Inventor Albert BORONAT

Title Methyl-D-Erythritol Phosphate Pathway Genes

Express Mail Label No

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1. ☐ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 112]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]  
5. Oath or Declaration [Total Pages]  
a. ☐ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☒ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☒ paper  
c. ☒ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement of Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449  
Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76.

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

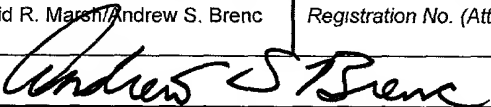
**17. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

28381

or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name	David R. Marsh				
	Arnold & Porter				
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	Docketing Department				
City	Washington	State	DC	Zip Code	20004-1206
Country	US	Telephone	(202) 942-5000	Fax	(202) 942-5999

Name (Print/Type)	David R. Marsh/Andrew S. Brenc	Registration No. (Attorney/Agent)	41,408/45,534
Signature		Date	August 6, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

# ARNOLD & PORTER

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555 Twelfth Street, NW  
Washington, DC 20004-1206

August 6, 2001

## *Box Patent Application*

Commissioner for Patents  
Washington, D.C. 20231

Re: U.S. Non-Provisional Utility Application  
Filed: August 6, 2001  
For: Methyl-D-Erythritol Phosphate Pathway Genes  
Inventors: Albert BORONAT *et al.*  
Atty. Docket: 16516.107

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Utility Patent Application Transmittal (PTO/SB/05);
2. U.S. Patent Application entitled:

### **Methyl-D-Erythritol Phosphate Pathway Genes**

and naming as inventors:

**Albert BORONAT, Narciso CAMPOS, Manuel RODRIGUEZ-CONCEPCION, Michel ROHMER, Myriam SEEMAN, Henry E. VALENTIN, Tyamagondlu V. VENKATESH, and Mylavarapu VENKATRAMESH,**

the application consisting of:

- a. A specification containing:
  - (i) 109 pages of a description prior to the claims;
  - (ii) 2 pages of claims (10 claims);
  - (iii) a one (1) page abstract; and
  - (iv) 70 pages of a sequence listing; and

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Commissioner for Patents  
August 6, 2001  
Page 2

- b. 4 sheets of drawings (Figures 1-5);
- 3. Computer-readable copy of sequence listing;
- 4. Statement Regarding Sequence Submission; and
- 5. Two (2) return postcards.

This application claims priority under 35 U.S.C. §119(e) of U.S. Provisional Application Serial No. 60/223,483 filed on August 7, 2000, the disclosure of which application is incorporated herein by reference in its entirety.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer-readable copy of the sequence listing submitted herewith in the above-identified application are the same.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Respectfully submitted,



David R. Marsh (Reg. No. 41,408)  
June E. Cohan (Reg. No. 43,741)  
Andrew S. Brenc (Reg. No. 45,534)

Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Albert BORONAT *et al.*

Art Unit: To Be Assigned

Appln. No.: To Be Assigned

Examiner: To Be Assigned

Filed: August 6, 2001

Atty. Docket: 16516.107

For: Methyl-D-Erythritol Phosphate Pathway  
Genes

**Statement Regarding Sequence Submission**

Commissioner for Patents  
Washington, DC 20231

Sir:

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer-readable copy of the Sequence Listing submitted herewith in the above-mentioned application are the same.

Respectfully submitted,



David R. Marsh (Reg. No. 41,408)  
June E. Cohan (Reg. No. 43,741)  
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Date: August 6, 2001

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